

COMPLETE LISTING OF THE CLAIMS:

Claims 1-14 : (Canceled)

Claim 15 : (Currently Amended) A reader for electro-optically reading a bar code symbol on a target, comprising:

a) a first light-transmissive stationary window and a second light-transmissive stationary window disposed at an angle to each other and bounding a reading area in which the target bearing the symbol to be read is moved relative to the stationary windows during reading:

b) a first imaging system including a first illuminator for illuminating the symbol with light passing through the first window, first capture optics for optically capturing light from the symbol passing in a first direction through the first window, and a first two-dimensional imager having a first field of view and multiple sensors operative for imaging a first two-dimensional image of the entire symbol from the light captured by the first capture optics; and

c) a second imaging system including a second illuminator for illuminating the symbol with light passing through the second window, second capture optics for optically capturing light from the symbol passing in a second direction through the second window, and a second two-dimensional imager having a second field of view overlapping the first field of view and having multiple sensors operative for imaging a second two-dimensional image of the entire symbol from the light captured by the second capture optics:

d) wherein each illuminator is operative for transmitting the light through a respective capture optics en route to a respective window, and wherein said first and second two-dimensional images are of the same entire symbol but captured by light passing in said first and second directions which are different and at an angle to each other.

Claims 16-17 : (Canceled)

Claim 18 : (Previously Added) The reader of claim 15, wherein each of the two-dimensional imagers is a charge coupled device (CCD) array extending along mutually orthogonal rows and columns.

Claim 19 : (Canceled)

Claim 20 : (Previously Added) The reader of claim 15, wherein each system includes a display for displaying the respective two-dimensional images.

Claim 21 : (Previously Added) The reader of claim 15, and a decoder operatively connected to the first and the second imaging systems, for processing the respective two-dimensional images.

Claim 22 : (Previously Added) The reader of claim 21, wherein the decoder is operative for sequentially processing the first and the second images.

Claim 23 : (Previously Added) The reader of claim 21, wherein the decoder is operative for simultaneously processing the first and the second images.

Claim 24 : (Previously Added) The reader of claim 15, wherein each of the first and the second capture optics is a stationary fold mirror.

Claim 25 : (Canceled)

Claim 26 : (Currently Amended) A reader for electro-optically reading a bar code symbol on a target, comprising:

a) a first light-transmissive stationary window and a second light-transmissive stationary window disposed at an angle to each other and bounding a reading area in which the target bearing the symbol to be read is moved relative to the stationary windows during reading:

b) first capture optics for optically capturing light from the symbol passing in a first direction through the first window:

c) second capture optics for optically capturing light from the symbol passing in a second direction through the second window:

d) a common mirror movable between a first position and a second position: and

e) a common two-dimensional imager having multiple sensors for imaging a first two-dimensional image of the entire symbol from the light captured by the first capture optics and directed to the imager by the mirror in said first position, and for imaging a second two-dimensional image of the entire symbol from the light captured by the second capture optics and directed to the imager by the mirror in said second position:

f) wherein said first and second two-dimensional images are of the same entire symbol but captured by light passing in said first and second directions which are different and at an angle to each other, wherein said first and second two-dimensional

images are contained on different image lines of a frame generated by the imager, and
wherein the first two-dimensional image is contained within the even image lines, and
wherein the second two-dimensional image is contained within the odd image lines, of the
frame.

Claims 27-28 : (Canceled)

Claim 29 : (Previously Added) The reader of claim 26, wherein the imager is a charge coupled device (CCD) array extending along mutually orthogonal rows and columns.

Claim 30 : (Canceled)

Claim 31 : (Currently Amended) The reader of claim ~~30~~ 26, and a decoder for sequentially processing the first and the second images.

Claim 32 : (Currently Amended) The reader of claim ~~30~~ 26, and a decoder for simultaneously processing the first and the second images.

Claim 33 : (Previously Added) The reader of claim 26, wherein each of the first and the second capture optics is a stationary fold mirror.

Claim 34 : (Canceled)